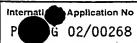
## INTERNAT AL SEARCH REPORT



a. classification of subject matter IPC 7 H04L12/44 H04L29/12 H04L12/64 H04L12/56 H04L12/46 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal. C. DOCUMENTS CONSIDERED TO BE RELEVANT Category \* Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. Α GB 2 359 222 A (3COM CORP) 1-5,9,1015 August 2001 (2001-08-15) page 3, line 24 -page 4, line 8 page 4, line 29 -page 5, line 26 WO 01 08360 A (BROADCOM CORP ; KADAMBI 1-5,9,10SHIRI (US); AMBE SHEKHAR (US); KALKUNTE MOH) 1 February 2001 (2001-02-01) abstract page 30, line 7 - line 27 page 31, line 7 - line 30 Α US 2002/054589 A1 (GAINER JAMES JOSEPH ET 1-10 AL) 9 May 2002 (2002-05-09) paragraph '0016! paragraph '0028! - paragraph '0030! paragraph '0039! Further documents are listed in the continuation of box C. Х Patent family members are listed in annex. Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 12 June 2003 20/06/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Ngao, Y.S.

## INTERNATIONAL SEARCH REPORT

ation on patent family members

ſ	Internation		Application No		
	P	G	02/00268		

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2359222	Α	15-08-2001	NONE		
WO 0108360	A	01-02-2001	AU EP WO US US	6198900 A 1197045 A1 0108360 A1 2002186705 A1 6430188 B1	13-02-2001 17-04-2002 01-02-2001 12-12-2002 06-08-2002
US 2002054589	A1	09-05-2002	US AU BR CA EP WO	6353609 B1 4582199 A 9911360 A 2334927 A1 1088431 A2 9966759 A2	05-03-2002 05-01-2000 13-11-2001 23-12-1999 04-04-2001 23-12-1999